

vacuum

Vacuum is the ideal environment for material processing at high temperatures: it is clean and pollution free, it guarantees high temperature uniformity and it reduces energy dissipation.

TAV design and manufactures **advanced vacuum furnaces** with the highest quality standards in a wide range of geometries and dimensions.

Typical applications carried out in TAV vacuum furnaces include:

- vacuum heat treatment (steels, superalloys, titanium)
- vacuum brazing (steels, aluminium, titanium)
- vacuum sintering (steels, titanium, advanced ceramics)

Vacuum furnaces mainly find application in the following industries:

- aero-engine manufacturing
- industrial gas turbine manufacturing
- heat exchanger manufacturing
- commercial heat treatment
- manufacturing of sintered components

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